Printed from Public PAIR

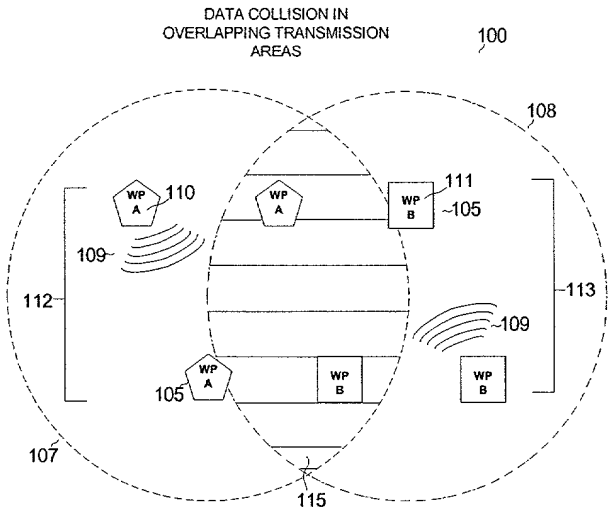


FIGURE 1A

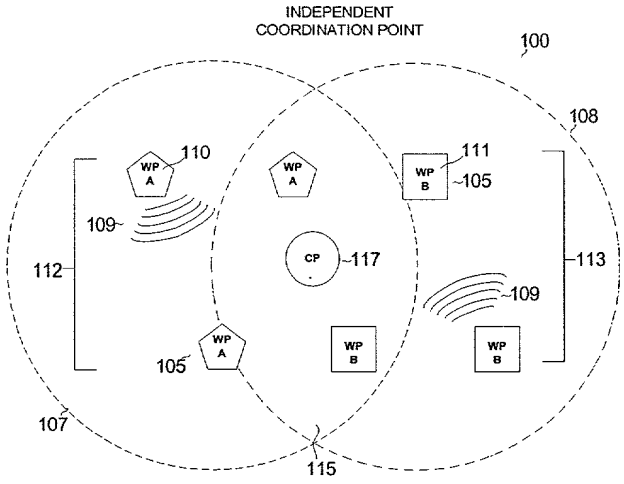


FIGURE 1B

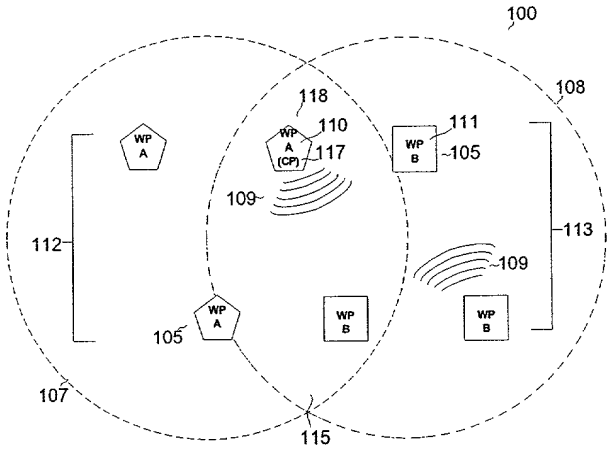


FIGURE 2A
BLUETOOTH INTEGRATED
COORDINATION POINT

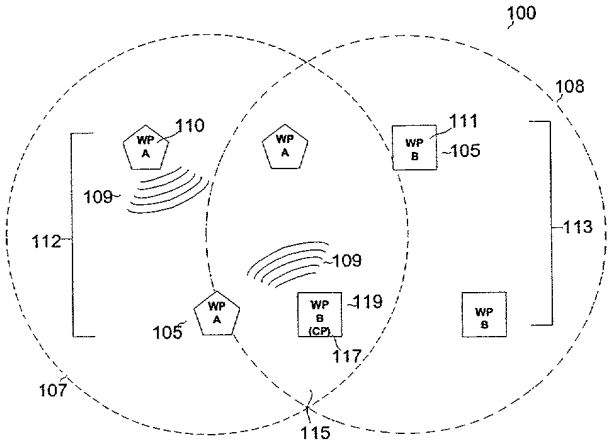


FIGURE 2B
WLAN INTEGRATED
COORDINATION POINT

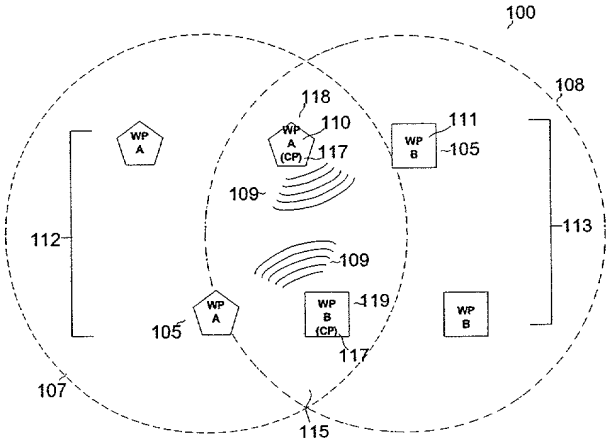


FIGURE 2C
INTEGRATED
COORDINATION POINT

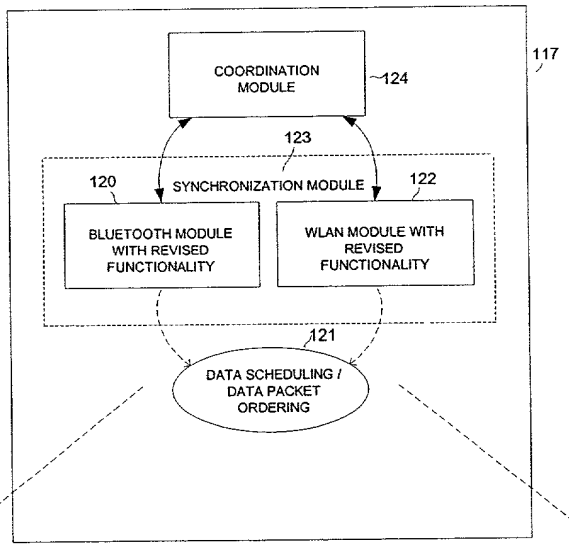


FIGURE 3A

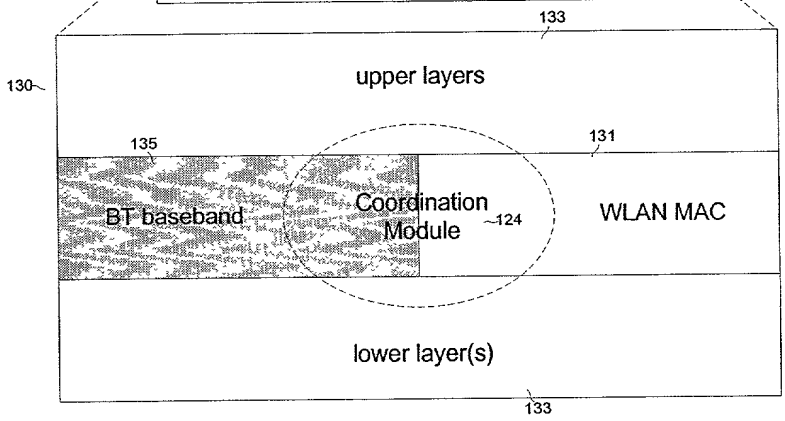
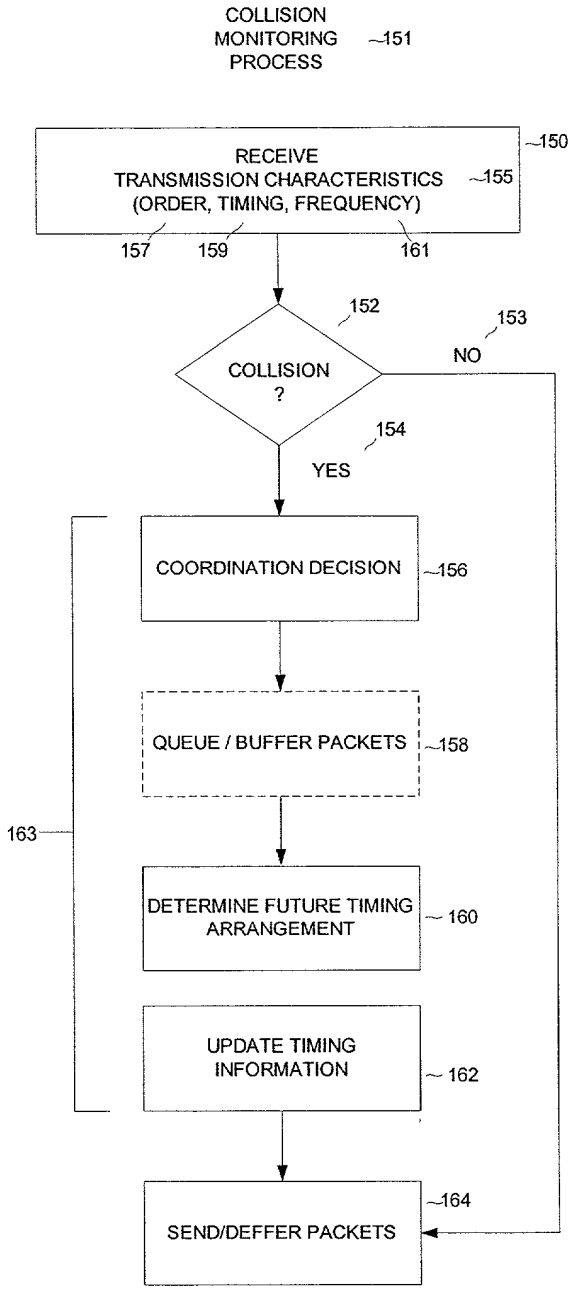
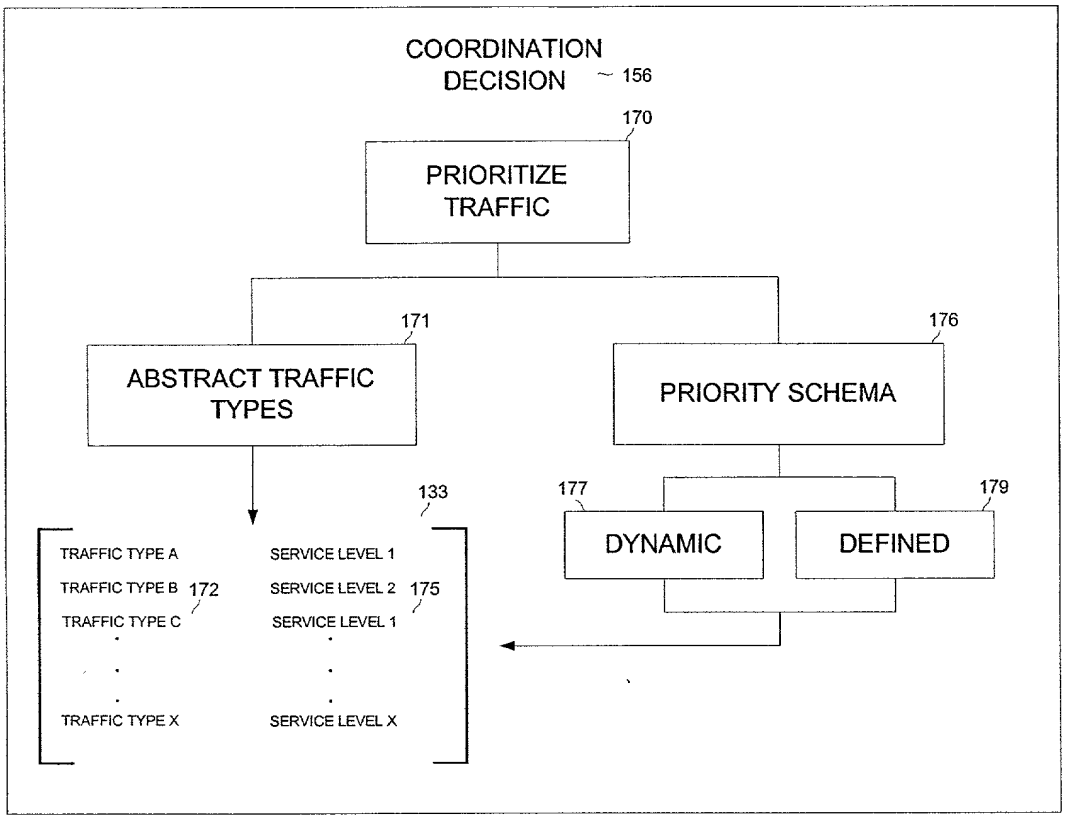


FIGURE 3B

FIGURE 4


COLLISION MONITORING PROCESS
151
RECEIVE TRANSMISSION CHARACTERISTICS (ORDER, TIMING, FREQUENCY)
155
150
157
159
161
152
153
NO
COLLISION ?
154
YES
COORDINATION DECISION
156
QUEUE / BUFFER PACKETS
158
163
DETERMINE FUTURE TIMING ARRANGEMENT
160
UPDATE TIMING INFORMATION
162
164
SEND/DEFFER PACKETS


COORDINATION DECISION
156
170
PRIORITIZE TRAFFIC
171
ABSTRACT TRAFFIC TYPES
176
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133
177
179
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DEFINED
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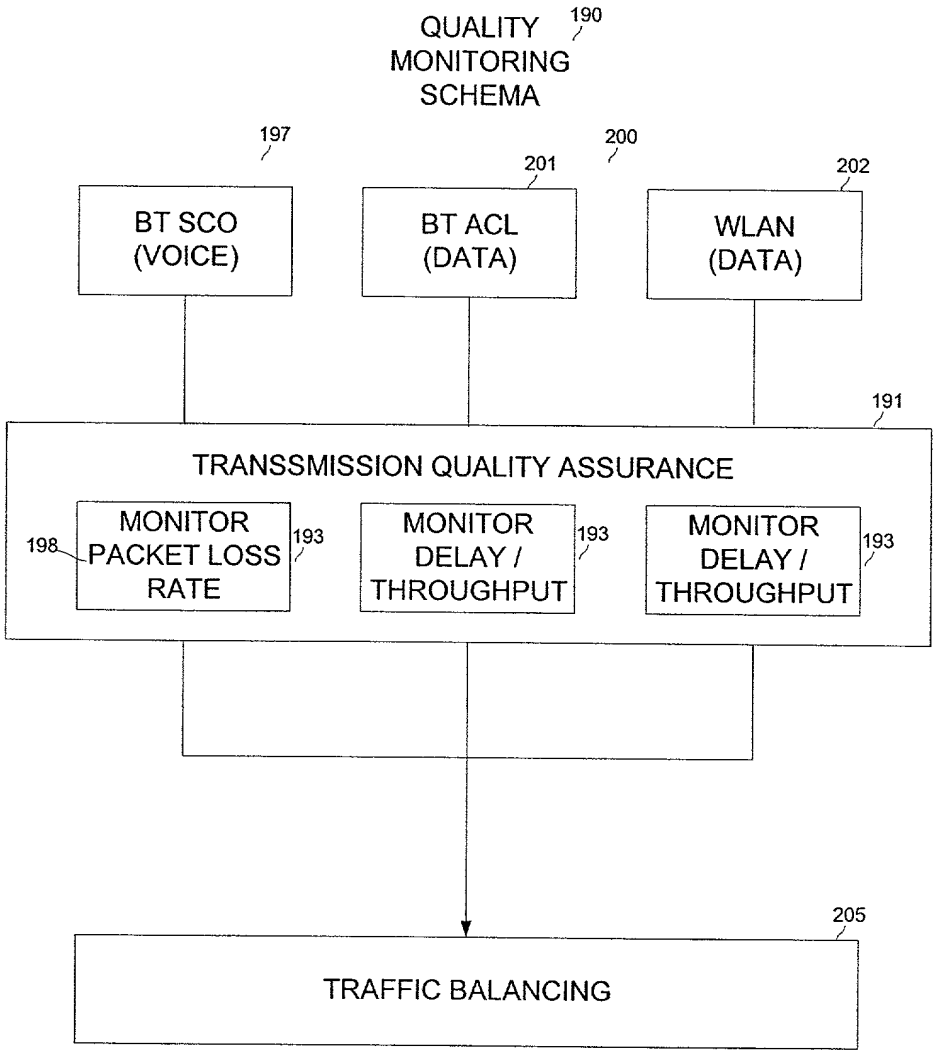
172
TRAFFIC TYPE C
TRAFFIC TYPE X
SERVICE LEVEL 1
SERVICE LEVEL 2
175
SERVICE LEVEL 1
SERVICE LEVEL X

FIGURE 5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198
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193
MONITOR DELAY / THROUGHPUT
193
MONITOR DELAY / THROUGHPUT
193
205
TRAFFIC BALANCING

FIGURE 6

TRAFFIC BALANCING SCHEMA 210

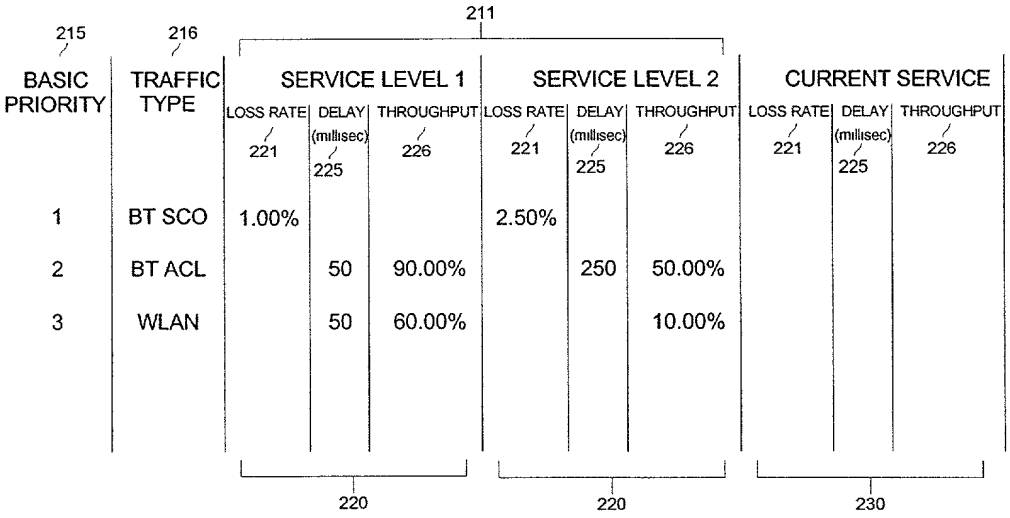
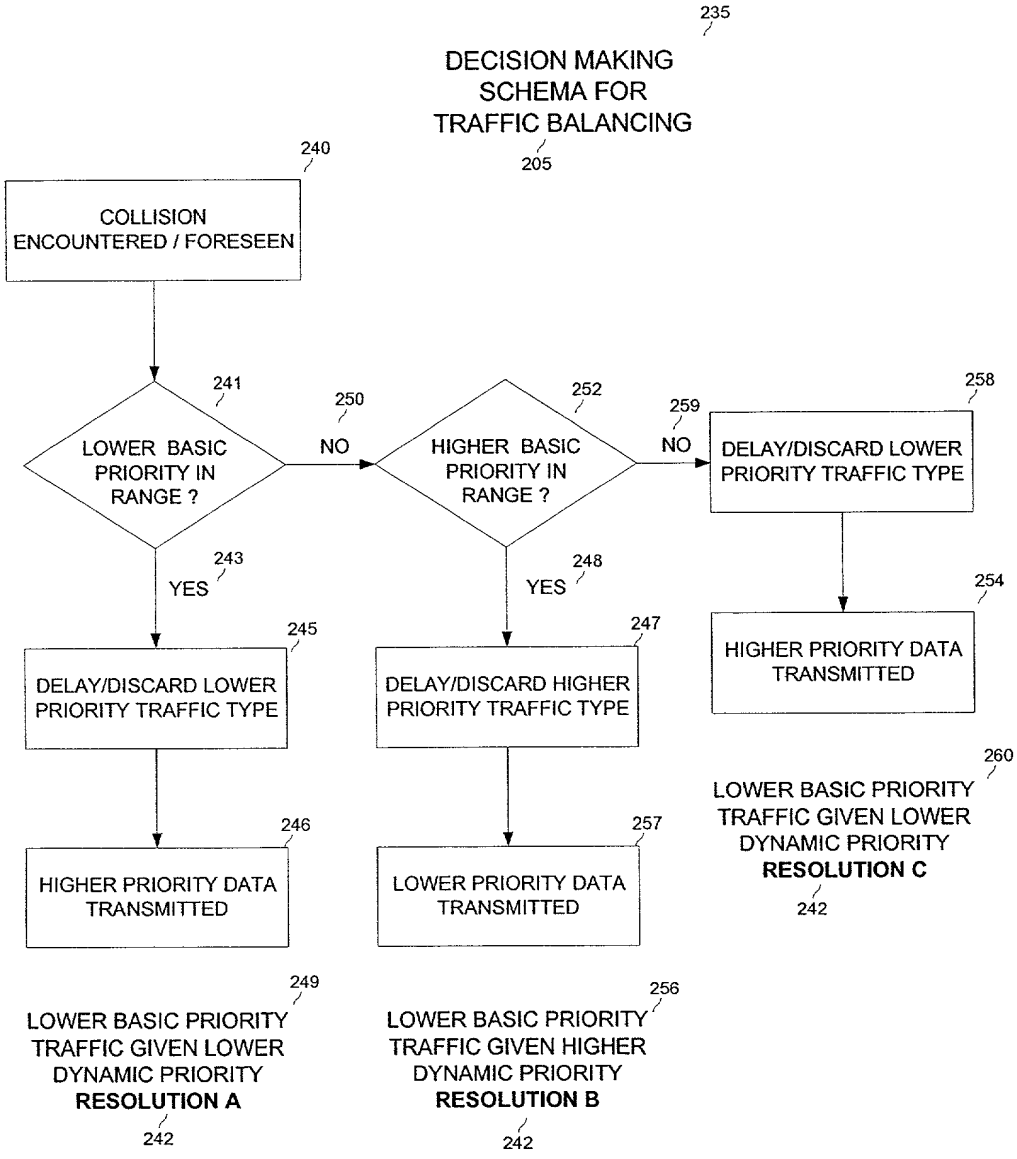


FIGURE 7


235
DECISION MAKING SCHEMA FOR TRAFFIC BALANCING
205
240
COLLISION ENCOUNTERED / FORESEEN
241
LOWER BASIC PRIORITY IN RANGE ?
250
NO
252
HIGHER BASIC PRIORITY IN RANGE ?
259
NO
258
DELAY/DISCARD LOWER PRIORITY TRAFFIC TYPE
243
YES
248
YES
254
245
DELAY/DISCARD LOWER PRIORITY TRAFFIC TYPE
247
DELAY/DISCARD HIGHER PRIORITY TRAFFIC TYPE
HIGHER PRIORITY DATA TRANSMITTED
260
LOWER BASIC PRIORITY TRAFFIC GIVEN LOWER DYNAMIC PRIORITY
RESOLUTION C
242
246
HIGHER PRIORITY DATA TRANSMITTED
257
LOWER PRIORITY DATA TRANSMITTED
249
LOWER BASIC PRIORITY TRAFFIC GIVEN LOWER DYNAMIC PRIORITY
RESOLUTION A
242
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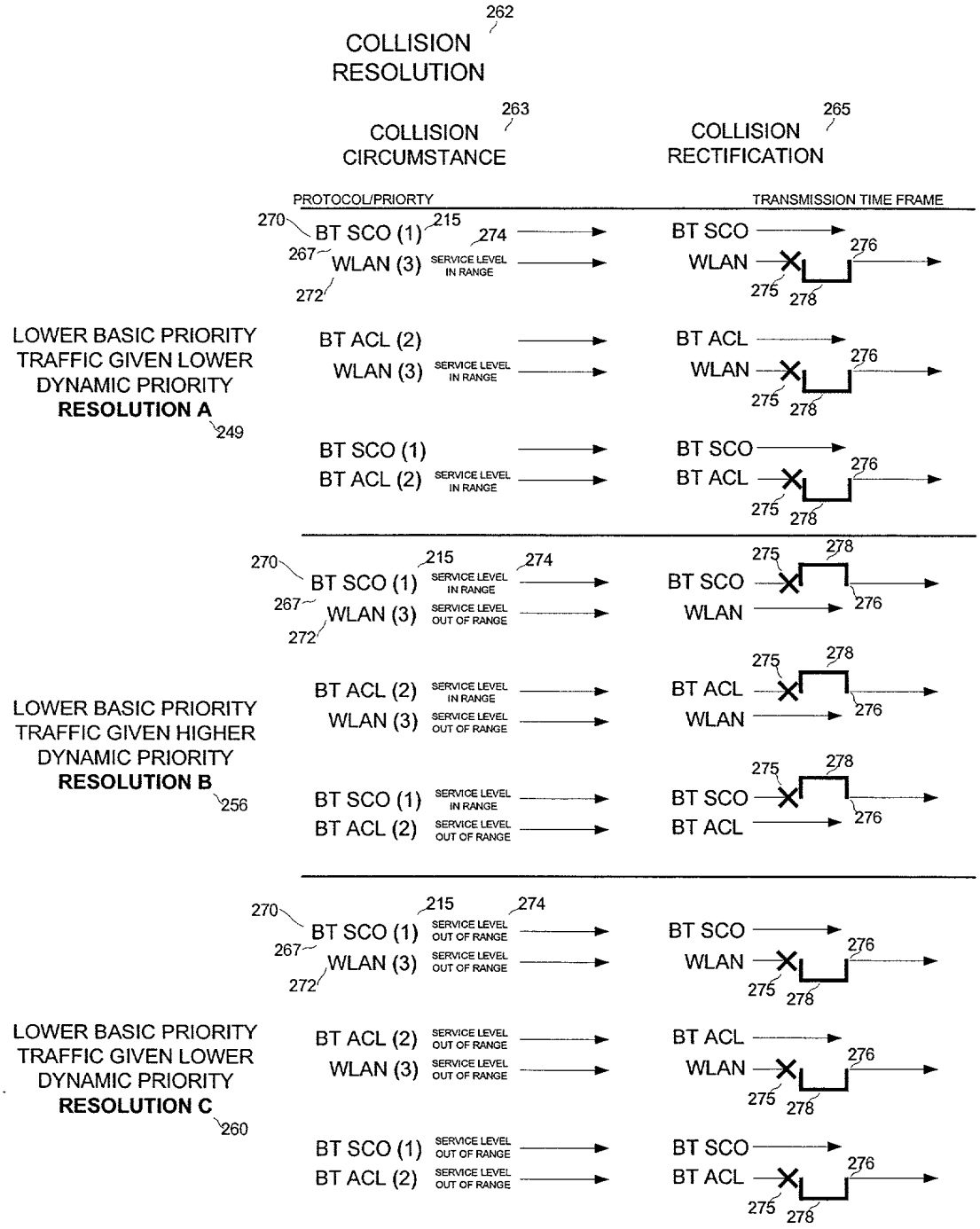
LOWER BASIC PRIORITY TRAFFIC GIVEN HIGHER DYNAMIC PRIORITY
RESOLUTION B
242

FIGURE 8


262
COLLISION RESOLUTION
263
COLLISION CIRCUMSTANCE
265
COLLISION RECTIFICATION
PROTOCOL/PRIORITY
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270
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215
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267
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272
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276
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WLAN (3)
SERVICE LEVEL IN RANGE
BT ACL
BT SCO (1)
BT ACL (2)
SERVICE LEVEL IN RANGE
SERVICE LEVEL OUT OF RANGE
LOWER BASIC PRIORITY TRAFFIC GIVEN HIGHER DYNAMIC PRIORITY
RESOLUTION B
256
LOWER BASIC PRIORITY TRAFFIC GIVEN LOWER DYNAMIC PRIORITY
RESOLUTION C
260

FIGURE 9

TRAFFIC COORDINATION INSTANCES FOR
BLUETOOTH / WLAN CONFIGURATIONS

300

	327 BLUETOOTH MASTER FUNCTIONALITY	329 BLUETOOTH SLAVE FUNCTIONALITY	315 WLAN FUNCTIONALITY		305 MODERATED PROTOCOL
310	NO	NO	YES		WLAN
320 330	YES	NO	YES		WLAN, BT SCO, BT ACL
340	NO	YES	YES		PARTIAL PARTIAL WLAN, BT SCO, BT ACL

FIGURE 10